Fast Flux Test Facility (FFTF) Project (RL-0042)

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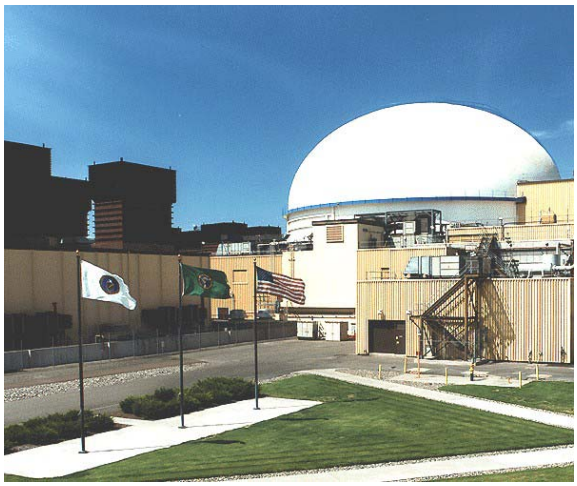
Loading Interim Storage Cask for Transport

400 Area – Interim Storage Area

Aerial View of the 400 Area



Fast Flux Test Facility (FFTF)

Overview

This section addresses work in Project Baseline Summary RL-0042, *Nuclear Facility Deactivation and Decommissioning (D&D), Fast Flux Test Facility Project.*

NOTE: Unless otherwise noted, all information contained herein is as of the end of July 2004.

Notable Accomplishments

Fuel Offload: Two of five recycled Interim Storage Casks (ISCs) were loaded and shipped to the 200 Area Interim Storage Area (ISA). The balance of the five empty (recycled) ISCs were returned from the Plutonium Finishing Plant. Preparations are in progress to ship the third of five recycled ISCs to the 200 Area ISA in early August.

Interim Storage: Transfer of three additional loaded ISCs from the 400 Area ISA to the 200 Area ISA at the Canister Storage Building has been completed. To date 10 of 22 ISCs have been moved to the 200 Area ISA.

Sodium Flush of In-Containment Sodium-Potassium (NaK) Loops: Sodium flush of the two in-containment NaK loops was completed on July 14, 2004. The loops were then drained. The remaining frozen sodium residuals will be maintained under an inert gas blanket until removal later in the project.

Fuel Storage Facility (FSF) NaK Drain: Drain and transfer of the FSF NaK into the storage vessel sodium was successfully completed. Approximately 60 gallons of NaK were removed from the loop low point (in-vessel cooler) by inserting a flexible hose. Subsequent testing confirmed that a flow path had been created, thus the loop is now in a condition that will allow safe and efficient cleaning of the residuals. All of the accessible NaK (approximately 360 gallons) was transferred from the NaK system into the sodium.

Primary Sodium Drain: Nearly all preparations are complete for draining the primary Heat Transport System sodium loops and lowering the reactor vessel sodium level (Phase 1 of primary sodium drain). All three procedures to be used for draining the auxiliary primary sodium systems (Phase 2) have been prepared and are in the review/approval process. Long-lead activities for the reactor vessel drain (Phase 3) also continue.

Interim Examination and Maintenance Cell: The disassembly of fuel assembly MFF-1 and loading of the fuel pins into Ident 69 pin containers and pin baskets was completed on July 9, 2004 (22 days ahead of schedule).

FY 2004 FH Funds vs. Spend Forecast ($000)

	FY 2004 Anticipated Funding w/Carryover	FY 2004 Fiscal Year Spend Forecast	Variance
Nuclear Facility D&D, FFTF Project	$ 42,213	$ 40,233	$ 1,980

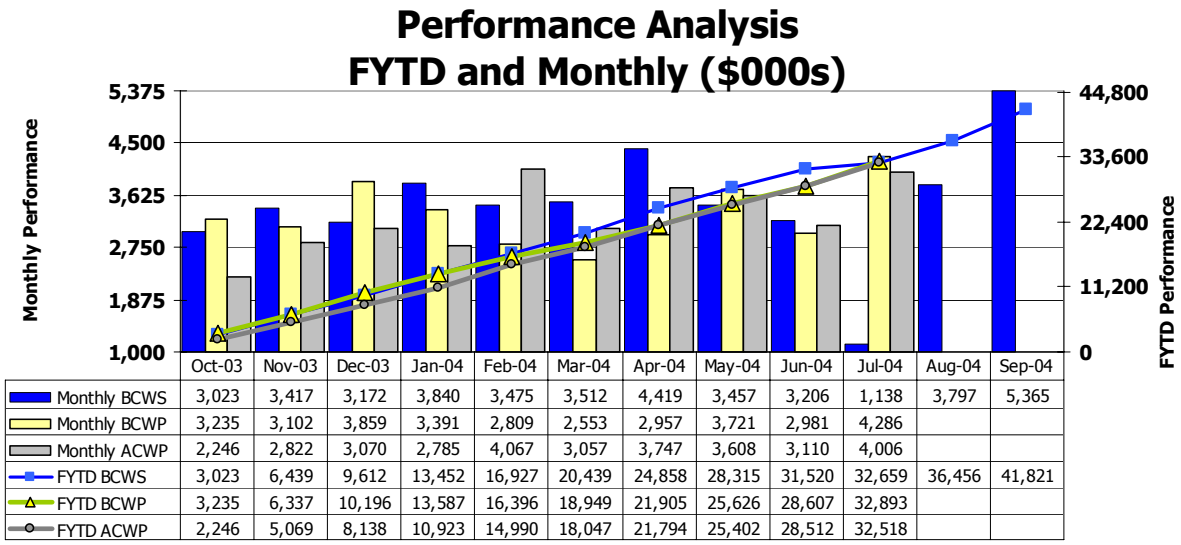
FY 2004 Schedule/Cost Performance ($000)

	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance $	Schedule Variance %	Cost Variance $	Cost Variance %	Budget At Completion
Nuclear Facility D&D, FFTF Project	32,659	32,893	32,518	234	1%	375	1%	41,821

Numbers are rounded to the nearest $K.

Schedule Performance (+$234K/1%): The schedule progress is within the established threshold.

Cost Performance (+$375K/1%): The cost variance is within the established threshold.



	Oct-03	Nov-03	Dec-03	Jan-04	Feb-04	Mar-04	Apr-04	May-04	Jun-04	Jul-04	Aug-04	Sep-04
Monthly BCWS	3,023	3,417	3,172	3,840	3,475	3,512	4,419	3,457	3,206	1,138	3,797	5,365
Monthly BCWP	3,235	3,102	3,859	3,391	2,809	2,553	2,957	3,721	2,981	4,286		
Monthly ACWP	2,246	2,822	3,070	2,785	4,067	3,057	3,747	3,608	3,110	4,006		
FYTD BCWS	3,023	6,439	9,612	13,452	16,927	20,439	24,858	28,315	31,520	32,659	36,456	41,821
FYTD BCWP	3,235	6,337	10,196	13,587	16,396	18,949	21,905	25,626	28,607	32,893		
FYTD ACWP	2,246	5,069	8,138	10,923	14,990	18,047	21,794	25,402	28,512	32,518		

Milestone Achievement

Number	Milestone Title	(TPA / DNSFB / PI)	Due Date	Actual Date	Forecast Date	Status/ Comments
RL42-1a1	Complete removal of 81 fuel assemblies.	PI	1/22/04	12/11/03		Complete
RL42-1a2	Complete loading and transferring five additional Interim Storage Casks (ISCs)	PI	8/31/04		8/31/04	In progress
RL42-1a3	Complete loading and transferring ten additional Interim Storage Casks (ISCs)	PI	3/31/05		3/31/05	On schedule
RL42-1a4	Complete disassembly of fuel assembly MFF-1 and loading of fuel pins into Ident 69 pin containers.	PI	7/31/04	7/9/04		Complete
RL42-1b	Perform additional risk reduction at the FFTF by completing selected reactor sodium and sodium-potassium alloy drain activities.	PI	Prior to FFTF contract transition		9/30/04	In progress
RL42-1c	Drain Secondary Sodium	PI	5/31/03	4/16/03		Complete